

CLAIMS:

1. A shaving apparatus comprising two cooperating cutting members (3, 5) that are movable relative to each other and that are each provided with at least one edge (7, 8), wherein the edges of the cutting members cooperate and wherein a cutting opening (9', 9'') is present between the edges of the cutting members for catching hairs (16), said cutting
5 opening diverging when seen in a shaving direction (P_2) of the apparatus, characterized in that the cutting openings are not entirely closed during operation of the apparatus.
2. A shaving apparatus as claimed in claim 1, characterized in that each cutting member (3, 5) comprises a row of substantially V-shaped teeth (4, 6) with tooth edges (7, 8)
10 defining pairs of cooperating tooth edges, wherein each pair of cooperating tooth edges enclose a shearing angle (α), while at least one of the tooth edges of each pair of cooperating tooth edges (7, 8) is provided with a cutting edge (10).
3. A shaving apparatus as claimed in claim 2, characterized in that both tooth
15 edges (7, 8) are provided with cutting edges (10, 18) in the region where the cutting opening (9', 9'') is closed during operation.
4. A shaving apparatus as claimed in claim 3, characterized in that one of the two cooperating tooth edges (8) in the zone (11) between the tip (13) of the tooth (6) and the
20 cutting edge (18) forms an abutment (15) for a hair (16) caught in the cutting opening (9', 9'').
5. A shaving apparatus as claimed in claim 2, characterized in that both tooth edges (7, 8) are provided with cutting edges over their entire length.
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6. A shaving apparatus as claimed in any one of the claims 2 to 5, characterized in that the shearing angle (α) between the cooperating tooth edges (7, 8) is between 5° and 25°.

7. A shaving apparatus as claimed in any one of the claims 2 to 6, characterized in that the cutting members (3, 5) perform a reciprocating motion with a stroke S relative to one another for which it holds that $0.01 \text{ mm} < S < 0.15 \text{ mm}$, with a frequency Q for which it holds that $Q > 100 \text{ Hz}$.

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8. A shaving apparatus as claimed in claim 7, characterized in that the stroke S lies between 0.05 mm and 0.1 mm and the frequency Q between 150 Hz and 400 Hz.

9. A shaving apparatus as claimed in claim 1, characterized in that the apparatus
10 comprises at least two pairs of cooperating cutting members that are movable relative to each other and that are each provided with at least one edge, wherein the edges of each pair of cooperating cutting members cooperate and wherein a cutting opening is present between the edges of each pair of cooperating cutting members for catching hairs, said cutting openings diverging when seen in the shaving direction and not being entirely closed during operation
15 of the apparatus, wherein the two pairs are successively arranged when seen in the shaving direction, and wherein the diverging cutting openings of at least the pair of cooperating cutting members, that is arranged in front when seen in the shaving direction, are obliquely arranged relative to the skin surface during operation.